

**2017 4th International Conference on  
Information Science and Control Engineering  
ICISCE 2017  
Conference Program**

**Dolton Resort Tongshenhu Hotel - Changsha**



**July 21-23, 2017, Changsha, China**

**Technically Co-Sponsored by**

IEEE Computer Society, USA

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## **Message from the ICISCE 2017 General Chairs**

ICISCE 2017 is the 4th International Conference on Information Science and Control Engineering, will be held from July 21-23, 2017, in Changsha, China. The aim of the ICISCE 2017 is to provide an international conference for scientific research on Information Science and Control Engineering. ICISCE 2017 is Technically Co-Sponsored by IEEE Computer Society, and sponsored by Hunan University of Humanities, Science and Technology, and Co-sponsored by University of Technology Sydney, Hunan University, Wayne State University, Minjiang University, Beijing University of Civil Engineering and Architecture, Xiamen University, China Jiliang University, Iwate Prefectural University. ICISCE 2017 is the next event in a series of highly successful the International conference on Information Science and Control Engineering, ICISCE 2012 (December 7-9, 2012, Shenzhen, China), ICISCE 2015 (April 24-26, 2015, Shanghai, China), ICISCE 2016 (July 8-10, 2016, Beijing, China).

We would like to express our sincere thanks to the Program Chairs: Shaozi Li (Xiamen University, China), Ying Dai (Iwate Prefectural University, Japan), Daniel Neagu (University of Bradford, UK), all program committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

Prof. Yun Cheng, Hunan University of Humanities, Science and Technology, China

Prof. Jinjun Chen, Swinburne University of Technology, Australia

**ICISCE 2017 General Conference Chairs**

## **Message from the ICISCE 2017 Program Chairs**

Welcome to the 4th International Conference on Information Science and Control Engineering (ICISCE 2017), will be held from July 21-23, 2017, in Changsha, China. ICISCE 2017 will be the most comprehensive conference focused on the Information Science and Control Engineering. ICISCE 2017 will provide an opportunity for academic and industry professionals to discuss recent progress in the area of Information Science and Control Engineering. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications on Information Science and Control Engineering. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in these important subjects.

For ICISCE 2017, we received many paper submissions, after a rigorous peer review process, only very outstanding paper can be accepted for the ICISCE 2017 proceedings, published by the IEEE Computer Society. All submitted papers have undergone blind reviews by at least two reviewers from the technical program committee, which consists of leading researchers around the globe. Without their hard work, achieving such a high-quality proceeding would not have been possible. We take this opportunity to thank them for their great support and cooperation. We also would like to thank all of you for your participation in our conference, and also thank all the authors, reviewers, and organizing committee members.

Thank you and enjoy the conference!

Prof. Shaozi Li, Xiamen University, China

Prof. Ying Dai, Iwate Prefectural University, Japan

Prof. Daniel Neagu, University of Bradford, UK

**ICISCE 2017 Technical Program Committee Chairs**

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## *Algorithmic Crowdsourcing and Applications in Big Data*

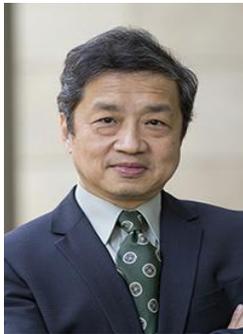
Jie Wu

Department of Computer and Information Sciences  
Temple University, USA

### ***Abstract:***

This talk gives a survey of crowdsourcing applications, with a focus on algorithmic solutions. The recent search for Malaysia flight 370 is used first as a motivational example. Fundamental issues in crowdsourcing, in particular, incentive mechanisms for paid crowdsourcing, and algorithms and theory for crowdsourced problem-solving, are then reviewed. Several applications of algorithmic crowdsourcing applications are discussed in detail, with a focus on big data. The talk also discusses several on-going projects on crowdsourcing at Temple University.

### ***Biography:***



Jie Wu is the Associate Vice Provost for International Affairs at Temple University. He also serves as the Director of Center for Networked Computing and Laura H. Carnell professor in the Department of Computer and Information Sciences. Prior to joining Temple University, he was a program director at the National Science Foundation and was a distinguished professor at Florida Atlantic University. His current research interests include mobile computing and wireless networks, routing protocols, cloud and green computing, network trust and security, and social network applications. Dr. Wu regularly publishes in scholarly journals, conference proceedings, and books. He serves on several editorial boards, including IEEE Transactions on Service Computing and the Journal of Parallel and Distributed Computing. Dr. Wu was general co-chair/chair for IEEE MASS 2006, IEEE IPDPS 2008, IEEE ICDCS 2013, and ACM MobiHoc 2014, as well as program co-chair for IEEE INFOCOM 2011 and CCF CNCC 2013. He was an IEEE Computer Society Distinguished Visitor, ACM Distinguished Speaker, and chair for the IEEE Technical Committee on Distributed Processing (TCDP). Dr. Wu is a CCF Distinguished Speaker and a Fellow of the IEEE. He is the recipient of the 2011 China Computer Federation (CCF) Overseas Outstanding Achievement Award.

## ***Big Data - Big Application***

Jinjun Chen

Deputy Director - Swinburne Data Science Research Institute

School of Software and Electrical Engineering

Swinburne University of Technology

### ***Abstract:***

Right now, Big Data, Data Science or Data Analytics are being on wide interest in industry and academia. During this talk, we will discuss two questions based on my research industry engagement practice.

The first one is business gain from such buzz words. This is a practical question from business. Based on my research, big data means big niche market opportunity for retail industry which can grow up to enhance major markets. For example, by analysing and generalising potential weak connection between previously sparse data sources such as flight booking data and supermarket user data, we can better expand or enhance the market for personal recommendation on flight booking.

The second is how researchers make a full potential to business. A say is "It's not who has the best algorithm that wins. It's who has the most data" by Andrew Ng (Coursea founder). Data is becoming an important resource equally important to oil. While various public datasets are available to academics or researchers for research evaluation, those datasets may not be suitable or useful and timely for researchers. One way to make full potential of big data is to intensively work with industry because they have timely data. More or less, every industry is doing data analysis yet just on their specific purposes. We will brief our research and collaboration with specific industries.

### ***Short Bio:***



Dr Jinjun Chen is a Professor from Swinburne University of Technology, Australia. He is the Deputy Director of Swinburne Data Science Research Institute, and the Director of Swinburne Big Data Lab. He holds a PhD in Information Technology from Swinburne University of Technology, Australia. His research interests include scalability, big data, data science, cloud computing, data intensive systems, data privacy and security, and related various research topics. His research results have been published in more than 130 papers in international journals and conferences, including various IEEE/ACM Transactions.

He received UTS Vice-Chancellor's Awards for Research Excellence Highly Commended (2014), UTS Vice-Chancellor's Awards for Research Excellence Finalist (2013), Swinburne Vice-Chancellor's Research Award (ECR) (2008), IEEE Computer Society Outstanding Leadership Award (2008-2009) and (2010-2011), IEEE Computer Society Service Award (2007), Swinburne Faculty of ICT Research Thesis Excellence Award (2007). He is an Associate Editor for ACM Computing Surveys, IEEE Transactions on Big Data, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Cloud Computing, as well as other journals such as Journal of Computer and System Sciences, JNCA. He is the Chair of IEEE Computer Society's Technical Committee on Scalable Computing (TCSC).

*Panel*

***Future of Human-AI Relationship: Cross-Disciplinary Perspectives***

Moderator: Qun Jin, Waseda University, Japan

Panelists: Jinjun Chen, Swinburne University of Technology, Australia

Yun Cheng, Hunan University of Humanities, Science and Technology, China

Shaozi Li, Xiamen University, China

Huijuan Lu, China Jiliang University, China

Jie Wu, Temple University, USA

***Abstract:***

The past decade has witnessed the dramatic development of emerging cyber technologies, such as Ubiquitous Clouds, Big Data, Internet of Things (IoT), Smart City, Machine Learning, Personal Analytics, and etc. Cyber-enabled and data-driven intelligent technology enables Artificial Intelligence (AI) to an unprecedented level. It may bring many possibilities and opportunities for humans in pursuit of Quality of Life (QoL) and well-being. On the other hand, it causes big concern about the relationship between human and AI. In this panel, the moderator and panelists will present and discuss their views on future of human-AI relationship from the cross-disciplinary perspectives of their different fields.

***Short Bio of the Moderator:***



Qun Jin is a tenured full professor at the Department of Human Informatics and Cognitive Sciences, Faculty of Human Sciences, Waseda University, Japan. He has been engaged extensively in research works in the fields of computer science, information systems, and social and human informatics. He seeks to exploit the rich interdependence between theory and practice in his work with interdisciplinary and integrated approaches. Dr. Jin has published more than 200 refereed papers in the academic journals, such as ACM Transactions on Intelligent Systems and Technology, IEEE Transactions on Human-Machine Systems, IEEE Transactions on Learning Technologies, and Information Sciences (Elsevier), and international conference proceedings in the related research areas. He has served as a general chair, program chair and TPC member for numerous international conferences, and editor-in-chief, associate editor, editorial board member and guest editor for a number of scientific journals. His recent research interests cover human-centric ubiquitous computing, behavior and cognitive informatics, big data, personal analytics and individual modeling, cyber security, AI and intelligent technology, cyber-enabled applications in healthcare, and computing for well-being. He is a member of IEEE, IEEE CS, and ACM, USA, IEICE, IPSJ, and JSAI, Japan, and CCF, China.

## Conference Schedule

Date	Time	Shuiyunjian Hall (Third Floor) 水云间厅 (三楼)	B Hall (Third Floor) B 厅 (三楼)	Tongshenhu Hotel (First Floor) 同升湖酒店大厅
2017-07-21	09:00-18:00			Registration
2017-07-22	08:40-18:00			Registration
	09:00-09:25	Opening Remarks		
	09:25-10:10	Keynote by Jie Wu		
	10:10-10:30	Coffee break		
	10:30-11:15	Keynote by Jinjun Chen		
	11:15-12:00	Panel by Qun Jin		
	12:00-13:20	Lunch		
	13:20-15:20		Oral Session A1	
	15:20-15:40		Coffee break	
	15:40-18:00		Oral Session B1	
	18:00-19:30	Banquet		
2017-07-23	08:20-18:00			Registration
	08:20-10:40		Oral Session C1	
	10:40-11:00		Coffee break	
	11:00-12:20		Oral Session A2	
	12:20-13:20	Lunch		
	13:20-15:40		Oral Session B2	
	15:40-16:00		Coffee break	
	16:00-18:00		Oral Session A3	
	18:00-19:30	Dinner		

### Instructions for Presentations

#### Oral Presentation

##### Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

##### Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 20 minutes

Regular Oral Session: about 15 Minutes of Presentation, 5 Minutes of Q&A

Keynote Speech: 40 Minutes of Presentation, 5 Minutes of Q&A

#### Poster Session

Poster Session at outside of B Hall. The time at July 22-23, 2017

##### Devices Provided by the Conference:

Space and nails

##### Materials Provided by the Presenters:

90cm(h) × 60cm(b) poster

**July 21, 2017**

**Registration 09:00-18:00**

**July 22, 2017**

**09:00–09:25 Opening Remarks and Take Photos**

**09:25-10:10 Keynote 1**

Algorithmic Crowdsourcing and Applications in Big Data

prof. Jie Wu

**10:10-10:30 Coffee break**

**10:30-11:15 Keynote 2**

Big Data - Big Application

prof. Jinjun Chen

**11:15-12:00 Panel**

Future of Human-AI Relationship: Cross-Disciplinary Perspectives

Moderator: Qun Jin, Waseda University, Japan

Panelists: Jinjun Chen, Swinburne University of Technology, Australia

Yun Cheng, Hunan University of Humanities, Science and Technology, China

Shaozi Li, Xiamen University, China

Huijuan Lu, China Jiliang University, China

Jie Wu, Temple University, USA

**12:00-13:20 Lunch**

**13:20-15:20 Oral Session A1**

**Session Chair: Janusz Getta, University of Wollongong, Australia**

11988	An Auction based Profit-aware Resource Allocation Mechanism for Cloud Computing	Zhiqiang Ruan, Rongteng Wu, Fanyong Chen, and Haibo Luo
11990	Performance-Based Quality Evaluation of Conceptual Schemas	Janusz R. Getta and Zhaoxi Pan
12007	A duty-cycle MAC algorithm with traffic prediction for wireless sensor networks	Haibo Luo, Minghua He, Zhiqiang Ruan, Fanyong Chen
12059	Forecasting Method of Crude Oil Output Based on Optimization of LSSVM by Particle Swarm Algorithm	Hongtao Hu, Xin Hu, Xin Guan
12062	Tongue image segmentation via color decomposition and thresholding	Zuoyong Li, Zhaochai Yu, Weixia Liu, Zuchang Zhang
12084	Opinion Target Extraction in Chinese Microblog Posts Based on Candidate Classification	Qingkai Min, Jing Zhang
12103	Research on Uncertainty of CORDIC Algorithm	LI Xiang, LIU Yaohua

**15:20-15:40 Coffee break**

**15:40-18:00 Oral Session B1**

**Session Chair: Wenfeng Wang, XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY  
CHINESE ACADEMY OF SCIENCES**

11983	Research on Air Conditioning System of Subway Station Based on Fuzzy PID Control	Lian Li, Dong Jia
11994	Smooth Mode Transition Control for Micro-Grid with Hybrid Battery/Diesel Combination	Rasool M. Imran, Shaorong Wang, Firas M. F. Flaih, Hasan Wahhab Salih
12063	Research on A New Structure of Hand Exoskeleton for Rehabilitation Usage	Yifang Zhou, Pu Zhang, Kai Xiao, Jia Luo, Jianyu Yang
12117	Optimization Design of High-speed Motorized Spindle Control System	Chilan Cai, Ning Li, Fei Zhang, Qinzhi Lin
12128	Bidirectional label propagation for community detection	Tieying Zhu, Lu Jiang, Shengyu Yang, Riming Zhang
12130	Prediction of Added Mass for an Autonomous Underwater Vehicle Moving Near Sea Bottom Using Panel Method	Chen-Wei Chen, Ning-Min Yan
12137	Research on the Influence and Optimization of Open Community on Road Traffic	Jiawen Huang, Weiyu Chen, Haochi Wu, Shengheng Luo, Junan Chen, Anqi Liang, Ying Jiang
12151	Optimal Combination Strategy for Two Swim-out Acoustic Decoys to Countermeasure Acoustic Homing Torpedo	Yingchun Chen, Yinghua Guo
12162	Numerical Study on LNG Carrier Releasing Underwater and Emergency Treatments	Bin Zhang*, Xingdong Zhang, Wanqing Wu
12183	Two Algorithms for Active Vibration Control of a Flexible Cantilever Beam	Kedong Wang, Shaojun Li

**18:00-19:30 Banquet****July 23, 2017****08:20-10:40 Oral Session C1**

**Session Chair: Yun Cheng, Hunan University of Humanities, Science and Technology, China**

11911	A Breadth-first Greedy Mapping Algorithm for Reducing Internal Congestion in NoC	Caobo Lu, Ying Zhang, Jianhui Jiang
11957	A Dual Method for Uniform Noise Removal Base on $L[\infty]$ Norm Constraint	Xin Liu, Zhibin Chen, Youwei Wen
11966	Energy Efficient Compressed Sensing of Bio-signals with Sparse Binary Matrix	Zhijun Pei, Yaxin Wang
11995	Space Energy Internet System	Chunfeng wang, Junwei Cao, Fulu Li
12011	Current Loop Constant Frequency Model Predictive Control of Three Phase PWM Converter Under Unbalanced Grid Condition	Xin Guo, Lei Yang
12017	A Shadowing Loss Compensation Method for Hybrid RSS-based Indoor Localization	Zhenzhen Zhang, Qing Nie, Heng Liu, Zhenghuan Wang, Shengxin Xu, Shuo Chai

12177	DV-hop Algorithm for Hierarchical Processing of Average Hop Distance in UWSN	JianBin Xue Long Zhang
12260	Experimental demonstration of LED based underwater wireless optical communication	Tao Liu, Hongming Zhang, Yufei Zhang, Jian Song
12299	Performance Evaluation of Interpolation Algorithms for Division of Focal Plane Polarization Image Sensors	Ashfaq Ahmed Xiaojin Zhao Amine Bermak

**10:40-11:00 Coffee break**

**11:00-12:20 Oral Session A2**

**Session Chair: Haibo Luo, Minjiang University, China**

12139	The data analysis and the database construction for Pleurotus eryngii product traceability system	Yang Zhou, Chunsheng Hu, Xuejun Zhu
12141	A multi-Objective Genetic Algorithm based on objective-layered to solve Network Optimization Design	Shi Lianshuan, Chen YinMei
12142	The Balancing of LCD Panel Assembly-line with the Effect of Operation Elements Coordination	Zhang, Xinmin; Hu, Sen; Zheng, Xinyue
12158	Multi End-hopping Modeling and Optimization Using Cooperative Game	Xinli Xiong, Lin Yang
12251	Image Segmentation by Hybrid Active Contour Model Using Harmonic Mean	Irfana Bibi, Liu Fang, Amir Razi, Yuanhao Cui.
12276	Research of Spectral Clustering on Trend of Big Time Series	Qu Zhenxin, Wang Mengzhu, Tan keja

**12:20-13:20 Lunch**

**13:20-15:40 Oral Session B2**

**Session Chair: Kedong Wang, Beihang University, China**

12227	A Real-time Control Strategy for Plug in Hybrid Electric Vehicle Based on the Maximization of Powertrain Efficiency	Yuping Zeng
12293	Rapid and Efficient MPPT Technique with Competency of high Accurate Power Tracking for PV System	Ehtisham Lodhi, Sun Jing, Zeeshan Lodhi, Rana Noman Shafqat, Muhammad Ali.
12304	Cyber-physical system based production monitoring for tapioca starch production	Hataiwan Sriyakul, Diew Koolpiruck, Warinthorn Songkasiri, Santi Nuratch
12328	Research on Design of the Automatic Steel Wire-changing Cutting Device	Liu Hongmei, Wang Jinjun, Yao Yao, Li Huanhuan, Mi Le
12337	Robust Adaptive Flight Controller for UAV Systems	Amr Sarhan and Shiyin Qin

12350	Self-tuning Filter for the System With Unknown Colored Noise	LI Heng, WANG Shi-bing, HOU Da-you, LIU Zheng-yan, ZHANG Yan-yan, LI A-MIN, and NI Jin-ying
12365	Developing of a SCADA system for a water multi-heating system	Yongchang Cai, Xingshen He, Jinlin Wu
12425	Reliability Analysis of Cloud Computing Systems with Different Scheduling Strategies under Dynamic Demands	Yimeng Liu, Ruiying Li, Qiong Li
752795	Analysis of Mid-Low Speed Maglev Suspension Dynamic Performance in Guideway Step Disturbance	Siyang Zhou, Jie Li
753027	Vision-based Traffic Light Detection for Intelligent Vehicles	Xiaoping Du, Yang Li, Yuang Guo, Hui Xiong

**15:40-16:00 Coffee break**

**16:00-18:00 Oral Session A3**

**Session Chair: Wanli Chen, Southern University of Science and Technology, China**

12302	An Improvement of Edge-Adaptive Image Scaling Algorithm Based on Sobel Operator	Wanli Chen, Ya Jun Yu, Hongjian Shi
12316	Gradient Inhomogeneous Mean Matrix Based Edge Preserving Filter	Xin Jin, Xiaotong Wang, Xiaogang Xu, Chengtao Yi, Changqing Yang
12326	Efficient Memory Page Management for NVDIMM-based Big Data Processing Environments	SeogMin Kwon, Hyokyung Bahn
12327	Early Eviction of Non-reusable Journal Data in Smartphone Buffer Cache Management	Dohee Kim, Hyokyung Bahn
12330	A Multi-Label Classification Method on Chinese Temporal Expressions based on Character Embedding	Baosheng Yin, Bowen Jin
12335	Locpart: A Latency Optimized Cache Partitioning for Cloud Data Centers	Hanfeng Qin
12372	A Shape Based Similarity Measure for Time Series Classification with Weighted Dynamic Time Warping Algorithm	Yanqing Ye, Caiyun Niu, Jiang Jiang, Bingfeng Ge, Kewei Yang
12411	Research on Semantic Extraction Method in Chinese Electronic Medical Records	Zhenxin Qu, Wannian Yu

**Poster Session A****July 22, 2017 (13:20-18:00)**

11897	Research on Event-based Updating of Spatial-Temporal Information of Multi-source Sensor	zeng fei,lu qianqian,bai wenhao,yang fan
11899	On Optimization Algorithm of SAMP Step Size Based on Compressed Sensing	Shaoming QIU , Xing HU , Xiuli DU , Bo CHEN
11901	Research on the Underlying Method of Elliptic Curve Cryptography	Xianjin Fang, Gaoming Yang, Yanting Wu
11902	On Couple Magic Total Labellings of Graphs For Designing New Graphical Cryptographs	Bing Yao, Hui Sun, Xiaohui Zhang, Mingjun Zhang , Sihua Yang, Guoxing Wang, Wanjia Zhang
11903	Reputation Computation Model for offline Service Merchants Based on the Running Information and Ratings	Wen-qiang Zhu
11917	Virtual Digital Promotion and Communication of Yi Costume in Yunnan	Wu Lei, Xu Wu *, Su Ying, Jin Chunjie,Duan Xi Tong, Ren Yi Long, He Jin
11924	A facial features matching method with age robustness based on SIFT algorithm	Kai Lin, Qingxiang Wu,Lingfeng Kong ,Pengfei Li,Heng Yang
11925	Shirt Version Intelligent Recommendation for Rapid Garment Customization	Guiqing Chen, Zengbo Xu
11934	Trend Balanced Genetic Algorithm for Blending Optimization of Traditional Chinese Medicine	Mingfeng Zhu, Jianqiang Du, Bin Nie, Yi Rao, Jinqian Wang, Yuesheng Wang
11940	Research on the Course Discrimination Based on Gray Wolf Algorithm and Support Vector Machine	Zheng Yuefeng,Gan Jing,Zhang Guijie,Du Huishi
11941	Research on Anytime Algorithm Improved of Weapon-Target Assignment	Wu Pengfei, Shi Zhangsong, Liu Zhichao
11942	The vital signs real-time monitoring system based on Internet of things	Minglei Shu,Meiyu Tang,Ming Yang,Nuo Wei
11948	Detection of Oil Spill and Look-alike from SAR Imagery Based on Ontology and Kernel Fuzzy C-means	Yonghu Yang, Ying Li, Jun Ma
11950	Mapping the intellectual structure of relationship between usability of information system and user emotion	LI Xiao-jun, XIAO Zhong-dong, SHEN Tao, WANG Bao-cheng
11951	Mongolia Nationality Face Recognition Based on G(2D)2PCA and SVM Classification	Xiaojing Gao,Heru Xue*,Xin Pan,Xinhua Jiang,Yanqing Zhou,Xiaoling Luo
11960	Research on Multi-feature Fusion for Discriminating Oil Spill and Look-alike Spots	Danni Wu,Hao Guo,Jubai An

11961	Image super-resolution reconstruction based on Compressed Sensing	Chenshousen,Jianquanzhu,Xuqiang
11962	Pedestrian Detection Using 19-layer Deep Convolution Neural Network	Xiaotao Zhang, Jianxin Zhang, Yinghua Zhang
11964	An image quality assessment index based on visual saliency and gradient amplitude for telemedicine application	Ke Pang, Zaifeng Shi, Zhao Li
11969	Target Tracking Algorithm Based on Particle Filtering fused with Mean Shift	Guanyu Quan, Libo Zhang
11970	Error Evaluation of Planar Curve Profile Based on an Improved Genetic Algorithm	Kuan Lu, Yuan Yu, Kaiyuan Peng, Liyan Yang
11976	Coin Recognition Method based on SIFT Algorithm	Jing Xu, Gongliu Yang, Yuanyuan Liu, Jingjia Zhong
11986	Research on Android Intent Security Detection Based on Machine Learning	Lv Zhuo, Guo Zhimin, Chen cen
11987	Security System of ETC Internet Service	Chen Zhaozheng,HUANG Songyang
11996	The Harary index of trees with at most one generalized center vertex	shengzhang ren,Fang-an deng
11997	On $W_{\{d\}}$ -fuzzy implication algebras	fang-an deng
11998	An Efficient Object Recognition Method based on Association Rule Mining	Bin Zeng,Rui Wang
11999	SPATIAL-TEMPORAL ANALYSIS OF CARBONATE OUTCROP IN SOUTH AMERICA WITH RESPOSE OF GLOBAL CO2 SINK	Guoqing Zhou, Guoqing Gao, Bin Jia, Pengyun Chen, Wei Huang, Zhiliang Wu
12002	Feature Selection Based on Features Unit	Junfang Wu, Chao Li
12003	Sea Ice Drift Tracking with a MCC Method of Automatically Acquiring Features	Haijuan Lv,Hao Guo,Jubai An
12012	An FPGA-accelerated Doppler Parameters Estimation Engine for Real-time Synthetic Aperture Radar Imaging System	Bingyi Li, Linlin Fang, Yizhuang Xie, Changjin Li , He Chen, Liang Chen
12013	Research on LVC Real-Time Integration based on DDS	Zhang Heng, Hao Jianguo, Zhou Xiaoyuan, Deng Hanqiang
12014	Research on the Cryptographic Application Technology for Power Information System based on DL/T 1527-2016 Technology Standard	Wei CEN, Feng Zhai, Yi-lun FU, Tao-yong LI, Xiao-bing LIANG
12018	iWalk: Let Your Smartphone Remember You	Guozhu Li,Liusheng Huang,Hongli Xu
12022	Labeled LDA-Kernel SVM: A Short Chinese Text Supervised Classification Based on Sina Weibo	Xueli Wang,Jiao Wang,Yang Yang,Jinbao Duan

12031	Evaluating Underlay Performance of Optimal Overlay Multicast	Jianwei Zhang, Chunling Yang, Meng Sun
12032	A Prediction Method of Spacecraft Telemetry Parameter Based On Chaos Theory	Li Lei, Gao Yongming, Wu Zhihuan, Ma Kaihang
12033	Monte-Carlo Bayesian Reinforcement Learning Using a Compact Factored Representation	Bo Wu, Yanpeng Feng
12034	Policy Reuse for Planning And Learning in Partially Observable Markov Decision Processes	Bo Wu, Yanpeng Feng
12035	Point-based Incremental Pruning for Monte-Carlo Tree Search	Bo Wu, Yanpeng Feng
12038	Short-Term Wind Power Prediction Based on Principal Component Analysis and Elman Artificial Neural Networks	Shaung Hu, Ke-Jun Li
12039	Extract of Combustion Characteristic Information and Its Feedback Establishing in Diesel Engine	WANG Jun,TIAN Yi, WANG Yi-lin
12042	Research on End-to-End Delay Variation Feature Extraction Method for Non-stationary Network	Xiaoyan Nie,Cai Lu,Shujuan Zhai,Lin Li,Xin Wang
12044	The Software Design of Dynamic Loading Identification System of Rock Roadheader	Wei Wang, Xingting Liu, Lin Yan, Hua Yu, Ran Li, Ning Ding
12046	Application of formal concept analysis in association rule mining	Yong Liu, Xueqing Li
12047	Method of Battlefield Target Information Sharing Based on Ontology	Qiao Sun,Jun Liu
12054	Image denoising with a low-rank preprocessing before BM3D	Hao Chen, Ling Wei, Yi He, Xiqi Li, Jinsen Yang, Yudong Zhang
12055	An Adaptive Weighted HOSVD Denoising Method	Hao Chen, Ling Wei, Yi He, Xiqi Li, Jinsen Yang, Yudong Zhang
12058	Analysis of Spatial Accessibility for Rural School Redistricting in West China: A Case Study of the Primary Schools in Zhenyuan county, Yunnan Province	Yaling Sun, Yulian Yang
12068	Research on knowledge acquisition of Goldfire platform based on Semantic Technology	Hongen Qi,Jianxin Lu,Dianying Zhang,Baohua Chen,Hao Zhang
12069	A GPU Based Parallel Clustering Method for Electric Power Big Data	Cong JI, Zheng XIONG, Chao FANG, Hui LV, Kaizhen ZHANG
12070	Information Dissemination Model Based on Clustering Analysis of Information Network Development	Zixian Wei, Ying He, Wanting He, Xiangdong Liu
12073	Ant Colony Algorithm for Steiner Tree Problem in CGRA Mapping	Li Zhou, Jianfeng Zhang, Hengzhu Liu

12081	A New Space Radiation Suppression Algorithm for Space-Based Optical Image	Shen Danlu , Niu Zhaodong, Chen Zengping
12085	Formal Definition of Program Faults and Hierarchy of Program Fault-tolerant Abilities	Liu Xiaojian,Jiang Ting,Dong Xiaofeng
12086	A Probabilistic Maintenance Scheme Evaluation Method for Transformer based on Failure Rate	Gang Liang, Shengwei Li, Ritang Liu, Jing Cao, Yi Hao, Wenfu Chen
12092	Efficient Multi-Keyword Fuzzy Search on Encrypted Data in Cloud Storage	Xiehua Li??Yaping Cui??Maoren Zhou??Cao Zhang??Yanlong Wang
12096	CT Reconstruction from Limited-view Cone-beam Projections Using 3D Image Moments	Kaikai Xu,Xiubin Dai
12098	A network model based on multiple level of granularity	Yang Lu, Guangfeng Liu
12099	Numerical Study of Resistance Type Vertical Axis Wind Turbine with Soft Blades	Liang Gu, Xin Jiang,Hong-kai Hao
12102	Slice Interpolation for MRI Using Decomposition-reconstruction Method	Qinghua Lin,Qin Zhang,Li tongbin
12105	A Convolutional Neural Network for Clickbait Detection	Junfeng Fu, Liang Liang, Xin Zhou, Jinkun Zheng
12110	An Effective Image Retrieval Method Based on Fractal Dimension Using Kernel Density Estimation	Zhang Qin,Lin qinghua,Kang Xin
12133	A Multi-Image Stitching Method and Quality Evaluation	Xiaoshu Zhou,Haiyan Zhang,Yuejin Wang
12145	Software testing data analysis based on data mining	Hongpo Wang, Linnan Bai, Ming Jiezhang, Jun Zhang, Qiang Li
12147	Improved VLAD with Multiple Codebooks and Deep Convolutional Descriptors	Yuanzheng Cai, Xiaodong Han
12150	Energy Efficient Routing Protocol for Underwater Acoustic Networks Using Shortest Path Algorithm	Xianyi Chen, Guolan Lin
12166	A Cyber Crime Investigation Model Based on Case Characteristics	Liu Zhijun, Wang Ning
12170	Visibility Detection Method Based on Camera model Calibration	jie Zou
12171	New criteria for nonsingular H-matrices and its applications	huishuanggao,guichunhan
12180	The Application of PVPI Controller in The Cascade D-STATCOM System	Shu Zhan,Cai Xia,Deng Jian,Chen Bo,Zhou Ning,Chengsimeng
12182	Study on Modeling and Simulation of Photovoltaic Energy Storage Microgrid	Gang HU, Sen LI, Changchun CAI, Zhijun WU, Lifang LI

12189	Formalization of Entity Dependency and Change Types	chen xingjun,Wang Yiheng,Zhang Jun
12190	The Object Detection Based on Deep Learning	Cong Tang, Yunsong Feng, Xing Yang, Chao Zheng, Yuanpu Zhou
12191	Research on Improved K-Means Algorithm Based on Hadoop	Xiaojing Wei,Yuanbo Li
12192	Performance Optimization of Distributed Real-time Computing System JStorm	Dongsheng Wang,Chuanhe Huang, Zhenyu Ju
12194	Design on Security Communication Protocol of Electricity Acquisition Terminal Based on the Password Techniques	Wen-jing XU, Bao-feng Li, Bao-ling He, Ying-jie LV
12196	3D Reconstruction of Orchid Based on Virtual Binocular Vision Technology	Li Hui, Zhang Xia, Luo Min
12198	A Static taint Detection Method for Stack Overflow Vulnerabilities in binaries	Chao Feng, Xing Zhang
12199	Medical aided diagnosis using electronic medical records based on LDA and word vector model	Xin-Yu Jin, Dong-Xu Pu, Yi-Zheng Lan, Lan-Juan Li
12203	Coverage Analysis Tool Design in Object-Oriented Astronautical Simulation Software using Plugin	Zhou Wanmeng, Wang Hua, Zhang Fan, Li Haiyang
12213	An improved multi-keyword ranked search over encrypted cloud data	Taijun Xia
12215	A Prediction Method of Charging Station Capacity Based on Deep Learning	Zhi Li, Xingzhe Hou, Yongxiang Liu, Hongliang Sun, Zhu Zhu, Yi Long, Tingting Xu
12219	Influence of power system operation mode on wind power acceptance	Rong Ye, Fuyuan Huang, Zhangsui Lin, Huaiyuan Wang, Buying Wen
12221	Business Process Analysis Method based on Petri nets	Jianglong Qin, Na Zhao, Zhongwen Xie, Qi Mo
12226	A non-sense Authentication Scheme of WLAN Based on RSSI Location Fingerprint	MaFei,LiJuan
12228	Improved hybrid localization algorithm of maximum likelihood and centroid localization based on RSSI	Lanfeng Zhou, Shuangke Ma
12234	Research on Evaluation of Urban Pumping Station Engineering Aging based on AHP and IAHP	Xuan Li,Yaqing ,Li,Hong Liang,Hang Liu
12236	Research on the Anonymous Social Network Ecology	Wang Yongjing, Lin Zhiye
12237	On the evaluation of satellite application technology system based on long-range precision strike capability	Sun Shengzhi, Hou Yan, Qin Yili, Wan Min

12238	Enhancing Accuracy of Multi-class Support Vector Machine by Applying Directed Acyclic Graphs	Zhi Li, Zhao Niu, Kun Lu, Yue Ma
12246	Investigation on Advances in Wind Tunnel Model Attitude Determination Systems and Techniques	Liu Zhitao, Gao Zhenghong
12247	A segmentation method based on standard difference gradient with dual-threshold for urinary sediment visible components	Su Liancheng, Jiang Shen, Wang Chenlu
12248	A pedestrian re-identification method based on multi-feature fusion	Yan Liu, Qingwu Li, Chunchun Chou
12256	Application of PSO algorithm in joint optimization of wind power and thermal power	Peican He, Zhangsui Lin, Huaiyuan Wang, Buying Wen
12257	TWO APPROACHES TO BLENDING SPATIAL WEIGHTS AND TEMPORAL WEIGHTS IN CALCULATING SPATIOTEMPORAL AUTOCORRELATION	Wenbing Zhou, ChangZheng Zhou, Jie Zhang
12270	Enhancement Method for infrared dim-small target images based on Rough Set	ZHANG Qiang, PAN Weijun, ZHU Xinping, WANG Xuan
12271	Research on Three-dimensional Path Planning for Autonomous Underwater Vehicles Based on Multi Objective Decision	Xin Pan, Xusheng Wu, Xinguo Hou, Yuan Feng
12272	An Analysis of the Correlation between Internet Public Opinion and Stock Market	Rui Li, Dianzheng Fu, Zeyu Zheng
12273	Multi-platform Air Defence Scheduling Based on 0-1 Integer Linear Programming	chen xingjun, shi hongquan
12274	Design and Implementation of Intelligent Home Wireless Gateway Based on STM32	Baodong Yang
12275	Dynamic Evaluation of Consumer Satisfaction Based on the Grey Prediction Model	Shuai Bai, Jiangchun Ren, Haihe Ba, Huaizhe Zhou, Rui Yang
12277	Fragmentation Storage Model: an efficient privacy protection technology	Tie Hong, JiangChun Ren
12278	Aspect Extraction and Aspect Terms Expansion in Chinese Reviews Using Cluster Semi-Supervised Expansion Model	Jianyong Tuo, Shuo Yan, Bing Li, Hailiang Wang, Xiaomeng You
12279	jMonAtt: Integrity Monitoring and Attestation of JVM-based Applications in Cloud Computing	Haihe Ba, Huaizhe Zhou, Shuai Bai, Jiangchun Ren, Zhiying Wang
12285	A Survey of Building Efficient P2P Streaming Systems in SDN	Jianwei Zhang, Chunling Yang, Huiling Shi, Lu Wang
12286	The Research of Intelligent Traffic Congestion Pricing Technology Based on BaiDou Navigation and Token Payment	Chai Hongfengi, Sun Quan

12289	An Iterative Algorithm for Camera Pose Estimation with Lie Group Representation	Xiangyang Hao, Zhenjie Zhang
12292	Contrast Changed Image Quality Assessment Based on Dual-path Feature-difference Network	Dixiu Zhong, Ping shi, Da Pan, Yuan Sha, Zefeng Ying, Xiaojie Bao, Ming Hou
12295	Research on Parallel Frequent Pattern Discovery Based on Ontology and Rules	Yuhan Gu, Ming Sun
12296	Agentless and Uniform Introspection for Various Security Services in IaaS Cloud	Huaizhe Zhou, Haihe Ba, Jiangchun Ren, Yongjun Wang, Yunshi Li, Yong Chen, Zhiying Wang
12305	Privacy-preserving Range Search	Jie LIu, Changpin Chen
12309	A study of patent analysis for stock price prediction	Si-Qi Wu, Cheng-Chin Tsao, Pei-Chann Chang, Chin-Yuan Fan, Meng-Hui Chen, Xiao Zhang
12311	Mixed-integer Programming Model for Two-dimensional Non-guillotine Bin Packing Problem with Free Rotation	Ning Ma, Zhili Zhou
12312	A Method of Arc Priority Determination based on Back-Propagation Neural Network	SHEN Ying; QIAN Jianguo
12314	Sentiment Classification Incorporating User Profile	Yuyang Xu, Bing Li, Qingping Song
12317	Multi-aspect Feature based Neural Network Model in Detecting Fake Reviews	Ning Luo, Huaxun Deng, Linfeng Zhao, Yuan Liu, Xingwei Wang, Zhenhua Tan
12319	Optimizing Target Assignment in Air to Ground Attack Based on Adaptive Immune Genetic Algorithm	Jun Wang, Pengcheng Luo, Jinglun Zhou, Xinzhang Lan
12320	A Load-Balancing and State-Sharing Algorithm for Fault-Tolerant Firewall Cluster	Zhichao peng, Daiwu Chen, Wenhua He
12322	Implementation of Learning Management System Based on Cloud Computing	Haibo Yi, Zhe Nie, Weijian Li
12324	Achieving secure and fine-grained data authentication in cloud computing using attribute based proxy signature	Hanshu Hong, Zhixin Sun, Yunhao Xia
12345	A Transmission Method Using Alternative Multipath Based on Network Coding	Shuyang CHEN; Hailin FENG
12359	Workload Driven Comparison and Optimization of Hive and Spark SQL	Man Zhang, Fang Liu, Yutong Lu, Zhiguang Chen
12388	Research on Product Modelling Design Based on Users' Perceptual Images	Daoyi Wu
12398	Influence of structure parameters on dynamic response of small wind turbine tower	Xieyongzhi, Zhuyongye, Zhuanghu

12401	A Fuzzer Based on A Fine-grained Deeper Strategy	Jiaxi Ye, Chao Feng, Chaojing Tang
12430	Medical Image Encryption Algorithm Based on Chaotic Function	Junjie Zhang, Jun Tan, Yun Cheng
752465	A Pi-Calculus based Context-Aware Model for Web Service Composition	Li Bao, Yi Deng
752683	Deep sea image mosaic based on SIFT algorithm	Tong Gang,Liu Huan
752772	CNN-MR for No Reference Video Quality Assessment	Chunfeng Wang, Li Su, Qingming Huang
752806	A Self-Adaptive Layered Sleep-based Method for Security Dynamic Scheduling in Cloud Storage	Xin Liu,Yanju Zhou
752818	The Spatio-temporal Data Modeling and Application Based on Graph Database	Linjiang Zheng, Longhui Zhou, Xin Zhao, Li Liao, Weining Liu
752844	Impact of Aperture Coherence on DOA Estimation in Passive Synthetic Array	Wei Jiang, Guodong Qin, Jian Dong
752894	Adaptive NSCM-Based Detector and Performance Analysis in K-distributed Clutter	Zhi Wang,Tao Jian,Jian-chong Chu,Jian Shen
753036	Facial Expression Recognition Algorithm Based on Reverse Co-Salient Regions (RCSR) Features	Yuan Luo, Ling Zhang, Yunhua Chen, Wenchao Jiang
753058	A Multidimensional Contribution-Based Service Differentiation Scheme for P2P Systems	Zhijia Huang
753068	Joint Face detection and Facial Expression Recognition with MTCNN	Jia Xiang, Gengming Zhu

### Poster Session B

July 23, 2017 (8:20-12:20)

11880	Design of Two-wheeled Self-balance System Based on STM32	XIE SiLian ,WU XingQiang
11900	The research and application of an real-time embedded measurement and control system for the river discharge	Qiaoli Wang, Wei Chen ,Qi Wu
11905	Automatic Microassembly Method Based on Teaching Playback and Visual Servo	Jia-yi Zhang, Ying Liu, Yang Liu, Yong-ping Hao
11910	A Fading Factor Unscented Particle Filter and its Application in INS/GPS Integrated Navigation	Xuehua Zhao ,Dejun Mu,Shesheng Gao,Xueping Meng , Jingjing Zhang
11915	New Nonlinear Robust Control Method Based on the State Extending and Filtering Estimation	Zhifeng GU, Yutong WANG, Baochen LI, Huiyong WANG

11926	The Research and Development of the Earthquake Ruins Computer Aided Design System for Rescue Training	Bojia Zhou;Qunlin JIA;Zhengjie Chen
11928	A Test Suite Reduction Method Based on Novel Quantum Ant Colony Algorithm	Ya-nan Zhang, Hong Yang, Zheng-kui Lin, Qing Dai, Yu-feng Li
11929	Adding Fuzzy Lookup Table type method to the comparable Milling Machining Control Design Based on MAT LAB/SIMULINK	Bashir Osman, Haitao Zhu
11935	The multi-parameter programming control of solid oxide fuel cell	HAN MIAOMIAO, ZHO BAOZHONG
11936	Research on Online Temperature Monitoring System Based on SAW for Intelligent Circuit Breaker	Jun Ma, Xingang Chen, Yumiao Tan, Tang Zhao, Changxin Li, Bing Yu
11945	The Fast Forecast and Control Technology of Anti Surge on Primary Air Fan	Weijian Huang, Yuechao Wang, Fuzhong Zhang
11949	Design of Multi-task Auto-testing Line System for Metering Current Transformer	Meng Zhang, Zhen Jing, Jian Yang
11954	Optimal Design of Toll Plaza Based on Traffic Flow Cellular Automata	Haoyu Lin, Junjie Zhu, Yuting Xiao, Han Luo
11958	Seismic Response Analysis of Large Aqueduct Structure Considering the Damage	Zhang Wei, Wang Bo, Huang Liang, Xu Jian-guo
11963	Multi-objective Optimization on Ride Comfort and Handling Stability of the Articulated Dump Truck	Zhang Xueyan;Huang Xiaxu
11967	Exponential Stability of Switched Positive Linear Systems without Stable Subsystems	Hongfei Zhao, Yang Li
11972	The research and application on CO adsorption experiment of different metamorphic coal under the constant temperature and pressure	Shan LIU, Keming YUE, Lu LIU, Hua YANG
11973	The influence of multi-samples rotation vector algorithms on navigation accuracy	Xinyu Liu, Gongliu Yang
11975	An On-line Calibration Method of SINS/Odometer Integrated Navigation System	Yiding Sun,Gongliu Yang,Qingzhong Cai,Suier Wang
11977	Initial Alignment of Strapdown Inertial Navigation System with the Aid of Doppler Velocity Log	Jingjia Zhong,Gongliu Yang,Yuanyuan Liu,Jing Xu
11981	Research on Ship Power Supply Dispatching Method Based on Hierarchical Ordered Control	Hongjun Du,Chenhui Song,Shucheng Wang,Kezhong Zhang,Zhanchao Ma,Zhuang Ma
11984	Research and Application of Metro Station Evacuation Simulation	Yadong Meng, Chongqiang Jia
11991	Structure Design of Bearingless Permanent Magnet Motor	Zhu Zhida, Zeng Li, Zhu Zhongjie

11992	Simulation and Experimental study on the characteristics of magnetic-gas mixed suspension spherical joint	Li Yan, Zeng Li, Zhu Zhongjie
12006	Research on Data Model and Integration Technology of New Energy Power System	Xiaojing Wei,Minjian Wang
12016	Topology identification of general uncertain complex dynamic networks with time delay and noise perturbation based on generalized lag synchronization	Chunhua Wang, Yilin Zhao, Saili Zhao, Lili Zhou
12020	Design and Implementation of Embedded Home Server Based on Sqlite in Smart Home System	Mouli Liu, Tao Mi
12026	Systhesis decision of Level of Repair Analysis on invalid parts	Xu Tingxue, Zeng Xiang, Dong Qi, An Jin
12028	Condition Evaluation of Transmission Line	Shaoping Guan, Qi Wang, Jinlong Guo,Yaxuan Zheng, Like Dong, Rundong Han, Xiaojing Li, Yu Han
12029	Design of intelligent socket based on WiFi	Tong YanRong,Li ZuoBin
12036	Research Status and Development Trend of Laser Additive Manufacturing Technology	Wu Guoqing, Hu Yingzhou, Zhu Weinan, Song Chenguang, Han Hongsong
12040	Transient Rotation Speed Control of Power System for Hydraulic Walking Platform Based on Neural network structure PID	WANG Jun, JIN Yi, WANG Yi-lin
12041	Speed Interval Division of Electric Power Steering Assist Characteristics	Gaojian Cui,Bin Li, Shaosong Li, Ren Sheng, Jinglei Dou, Zhixin Yu
12043	A Software for Numerically Calculating and Simulating Plume Infrared Radiation	JIN Wei, FENG Yun-song, LV Xiang-yin
12061	Comparison of Innovative New Technique and Traditional Endoscopic Treatment of Maxillary	Li Ruiyu , Li Yue, Li Meng , Zhang Junhui , Hou Jinjie
12066	Control for Aerial Transportation Using a Quadrotor with a multi-DOF manipulator	Yidong Chen, Xiaofan Zhang, Chunhui Gu, Qingchun Tang, Xiaole Li
12067	Research on Multiple Objection Operation Strategy Optimization of Distribution Network Including Distributed Energy Storage	Cong JI, Chunlin ZHONG, Kunming LI, Mingzhu XU, Jun SHAO, Fei ZHENG
12075	Optimization of Ordered Charging Strategy for Large Scale Electric Vehicles Based on Quadratic Clustering	Jie Zhang, Chunyu Yang, Fei Ju
12080	Research on Dynamic Route Planning under Adverse Weather	Zhikang Qin, Xiling Luo
12082	Application of Real-time Load Control Decision Technology Based on User 's Interruptible Load	Chao FANG , Zheng XIONG, Chunlin ZHONG,Cong JI

12088	Clustering Based Multiple Hypothesis Multi-target Localization	Huan Wang, Guanghong Liu, De Zhang, Kuoye Han, Mian Jiang
12091	Research on Sliding Mode Control Strategy of Demotion Robot's Working Equipment	ZHANG JIAN-peng
12101	Network Interface UPnP Mechanism of IEEE 1451 Smart Sensor	Gengxin Chen, Jinsheng Huang, Ruobo Lin
12104	Design and Experiment of The NAO Humanoid Robot's Plantar Tactile Sensor for Surface Classification	Qingdan Yuan, Jianxiao Wang
12106	Consensus Tracking of Nonlinear Second-order Multi-agent Systems with External Disturbance	Danyang Geng, Qinghe Wu, Changkun Du
12113	A hybrid estimation method for SOC of lithium batteries in electrical vehicles considering vehicle operating condition recognition	Li Yanwen, Wang Chao
12114	Functional safety analysis for the design of VCU used in pure electric vehicles	Li Yanwen, Wang Xiyang
12115	Fractional Order PID Control of Temperature of Supply Cooling	Jie Mei,Zhuangju,Li
12119	Structural Design and Application of Bidirectional Pressurized Cylinder	Qing-jun LIU, Yu-e YANG
12121	Particle Swarm Optimization Algorithm Based on Robust Control of Random Discrete Systems	Le Yang, Dakuo He, Qingkai Wang, Jiahuan Luo, Yingjie Huang, Zipeng Zhen
12122	An Improved Particle Swarm Optimization Algorithm Based on Fuzzy PID Control	Zhengsong Wang, Qingkai Wang, Dakuo He, Qing Liu, Xu Zhu,Jiaqing Guo
12123	Analysis of Field Uniformity of MRI Magnet	Zhenguang Liang, Zexiong Wang, Peiyong Li
12125	Research on the Methods of Simulation Scenario Validation	Hao Jianguo, Xing Zhou, Deng Hanqiang
12134	Based on The Ansoft 500kV SICSFCL Simulation Analysis	Bai Yang,Li Jing,Wang Wei
12155	Research on the Power State Estimation based on the combination of the Innovation Graph Approach and the Current Reckoning Method	Zhang na,Wang tianzheng,Yu hua,Wang wei,Cao jingjin,Han yu
12159	Voltage Dip Evaluation Index Based on Voltage Dip Matrix	Li MA,Qian ZHOU
12178	Study on the Seismic Response of Polymer Anti-seepage Wall	Li jia, Zhang Jingwei
12179	Research on fault location method in small current grounding system based on active protection	Cao Jing,Lu Jiayang,Lu Dongyang,Zhang Na,Yu Hua,Han Yu

12201	Design and Implementation of an Active Pendulum Control System for Fluid Damping Measurement	Qiang Ji, Shifeng Zhang, Haoguang Zhao
12205	Remote State Estimation Over an Attenuation Channel in Flight Control Systems	Qiang Ji, Shifeng Zhang, Haoguang Zhao
12206	Research on Digital Protection of Brocade Technique Based on Action Recognition	Xu Wu, Guo Wei *, Ren Yilong, Wu Ping, He Jin
12211	Research on optimal design of rubber isolator used in propulsion system	Wenxi LIU, Qidou ZHOU, Hanqin LI
12212	Fault prediction of shield machine based on rough set and BP neural network	Hui Han,Xiang Gao
12220	A method for calculation of hydrodynamic coefficients based on NURBS	Wenxi LIU, Qidou ZHOU
12223	Real-time Periodic task scheduling based on compensation	YuxiangGe
12224	Analysis and Clearance of Overcurrent Caused by DC Pole-to-pole Fault in Modular Multilevel Converter	HAN Pingping,CHEN Lingqi,ZHANG Yan,ZHANG Xiaoan
12242	Wind Turbine Modeling Research Based on the Combination of SCADA and Vibration Signals	Wu Xin, Su Liancheng
12245	An Uncertain Multi-oligopoly Model of Bertrand Type	Yan Wang, Yuanguo Zhu
12255	A dynamic chaotic mutation based particle swarm optimization for dynamic optimization of biochemical process	Kangtai Wang, Fupeng Li
12258	Modelling and Simulation for Rumor Propagation on Complex Networks with Repast Simulation Platform	Sun Rui, Zhong Yong
12264	Study on Elastic SDOF System Viscous Damping Coefficient Based on Energy Balance Principle	Bing-bing Tu, Wen-ping Du
12267	Multi objective route planning for UAV	Xing Chen,Rong Xu, Jiabao Zhao
12268	On Lyapunov Stability Theory for Model Reference Adaptive Control	Tang Min-an,Wang Xiao-Ming,Cao Jie,Cao Li
12269	2D Map Building and Path Planning Based on LiDAR	Chi Zhang, Junzheng Wang, Jing Li*, Min Yan
12283	A study of the Robot Loading/Unloading Unit based on the Optimized Automatic Verification System of Electric Meters	Cencen Liu, Wenjia Cai, Tian Xia, Yuan Wang, Huxuan Ni
12291	The Interoperability Test Study of Electric Vehicle A.C. Charging Spot	Bin Zhu, Xingzhe Hou, Yongxiang Liu, Hongliang Sun, Yi Long, Huicai Wang, Zhi Li, Tingting Xu

12297	Modulus Constrained Waveform Design Considering Target Impulse Response Prediction	Fengming Xin, Bin Wang, Xin Song
12298	Control Method Experimental Research of Micro Chamber Air Pressure via a Novel Electromagnetic Microvalve	Xuling Liu, Songjing Li
12303	Development of Intelligent Information Monitoring System in Greenhouse Based on Wireless Sensor Network	Xijun Xing, Jiancheng Song, Lingyan Lin, Muqin Tian, Zhipeng Lei
12306	Navigation and guide system design for the smart scenic area	Yangrongrong
12310	Self-Repairing Software Architecture for Predictable Hardware Faults	Yinghua Guo, Yali Qi, Hang Zhou
12313	Study on Temperature Control Method of High Speed Ball Bearing with Oil-Air Lubrication	Li Cui, Jingui Wan
12318	Chaotic Dynamics of a Six-Dimensional Nonautonomous Rectangular Thin Plate under In-Plane Excitation	W. L. Hao
12329	Exponential Stabilization for Delayed Memristive Fuzzy Cellular Neural Networks	Jing Han,Bo Xiong,Guodong Zhang
12368	Parametric Simulation and Analysis of Oxygen Detection Based on Wavelength Modulation Spectroscopy	Gaofeng Zhu, Yun Cheng, Yanlei Zhang
12432	Research on digital image tampering detecting algorithm of remote healthcare	Junjie Zhang, Jun Tan , Yun Cheng
752799	A Temperature Filtering Algorithm for Cement Burning Belt Based on Local Weighted Regression	Rongfeng Zhang,Qingjin Meng,Shizeng Lu
752862	Design of High Voltage Power Supply Control System of Stationary Digital Breast Tomosynthesis Based on NI CompactRIO	Qiong Li, Dong Liang
752901	Research on the Fretting Performance of Truck Crane Hoist System Based on AMESim	HUANG Jie,MA Hong-xu,WEI Qing
753025	An Integrated Trajectory Guidance and Attitude Control Law with Enhanced Anti-Disturbance Capability for Mars Pinpoint Landing	Yabin Zhang, Tingting Yang
753063	DNA Molecular Logic Gates based on DNAzyme Regulation	Ranfeng Wu,Yifan Li,Jing Yang
753067	Dynamics analysis of a designed inflatable wing	Yan Li

### Poster Session C

July 23, 2017 (13:20-18:00)

11888	DFT-Spread Combined with Clipping Method to Reduce the PAPR in VLC-OFDM System	Yun Cheng, Junjie Zhang, Jun Zhang Minlei Xiao,Rui Deng, Lin Chen
11914	Design and Implementation of Next Generation Signal Spectrum Monitoring for Satellite Broadcasting Television	Shaowei Wu, Li Feng
11918	Research on vibrating string transducer used in online monitoring system of tailings dam	Ligang WANG
11923	Optimal Sizing of Compound Heating System Based on Genetic Algorithm	Qi Ge,Cheng Ling,Jin Lu,Guo Bingqing,Ren Xiaoya
11927	Two-Dimensional DOA Estimation Based on Separable Observation Model Utilizing Weighted L1-Norm Penalty and Bayesian Compressive Sensing Strategy	Ruiqi Wei, Qianli Wang, Zhiqin Zhao
11930	The Economic Evaluation Research of Multi-class Electric-based Heating Mode in Non-municipal Area	Lu Jin,Xiaoya Ren,Ling Cheng,Liming Jiang,Ge Qi
11932	Blind Separation of Two QPSK Signals Based on Lattice Reduction	Baijun Pan, Shilong Tu
11938	Monitoring Nyiragongo Volcano Using a Federated Cloud-Based Wireless Sensor Network	Maki Matandiko Rutakemwa, Iven Jose, Tuluka Mavonga Georges
11943	Research on WiFi indoor location algorithm based on RSSI Ranging	Pengfei Wang, Yufeng Luo
11952	Measuring vortex-induced vibration with hot wire in wind tunnel	Bo Zhu??Yanan Shi??Qin Chen??Yuanxing Wang
11956	Research on the Efficiency of the Chaff Jamming Corridor	Mingshan Lv, Longtao Wang
11965	Study of Rock Desertification Processes and Driving Force in Southern Part of Yunnan, China between 1994 and 2014- A Case Study on Thirty Counties Based on Remote Sensing	Minglong Yang, Su Gan
11978	Robust State and Fault Estimation for Nonlinear Stochastic Systems with Unknown Disturbances	Talel Bessaoudi, Faycal Ben Hmida, Chien-Shu Hsieh
11979	Spike Trains Synchrony with Changed Neuronal Networks Parameters in a Hippocampus CA3 Small-World Network Model	Dexuan Qi, Zhenguo Xiao, Shuo Liu, Yongshu Jiao
11985	Research on Energy-efficient Multi-Path Routing Protocol of WSN for Railway Environment Monitoring	DUAN JIAYING, SHI TIANYUN
11993	GPS/INS Integrated Navigation by Fading Filtering Based on Wavelet De-noising	Le Yang, Jiang Chang

12004	The Effect Analysis of Signal Skew on the ARINC659 Bus Bridging and Synchronization	Liu Weiwei,CHENG Bowen,WANG Luyuan,YU Mingfang
12008	Research on the utilization of waste heat from flue gas of combined cycle unit	Wang si-wen, Zhang zhi-yong
12009	Research on Energy Efficiency Economy and Environmental Benefit Evaluation Method of Ship Shore Electricity Technology	Deguang Cao, Zhuang Ma, Wei Zheng, Kaini Xu, Zhanchao Ma, Chenhui Song
12015	Impact of positive chirp on energy of dispersive waves and stability of solitons	Xiongfeng Tong, Hua Yang
12019	A Method of Predicting the Cascading Trip Accident in Power Network Considering the Operation State	Huang Wang, Huiqiong Deng
12024	Identification of combination of SNPs associated with Crohn's Disease using a Balanced Univariate Marginal Distribution Algorithm	wei bin, zhong weidong, zhao jing
12025	The Transmission Capacity of WL-MANET with Graph Theory Strategy	Yu Genjian
12037	Performance Analysis of Wireless Network Maximum Throughput Based on Network Coding	Maping Li
12045	Application of Optical Fiber Differential Protection in High Voltage Power Network	Wei Wang, Xingting Liu, Hua Yu, Ran Li, Lin Yan, Ning Ding
12048	Pre-Distortion Dithering in Fractional-N Frequency Synthesisers	Hongyu Wang, Zhaotong Bai
12049	Human Motion Classification Based on Range Information with Deep Convolutional Neural Network	Yuming Shao, Sai Guo, Lin Sun, Weidong Chen
12050	Bistatic Three-Dimensional Interferometric Inverse Synthetic Aperture Radar Imaging Algorithm for Fluctuating Ship	Qian Lv,Tao Su
12056	Effects of the length of rotor wafers on rotor temperature rise for permanent magnet synchronous motor	Xiao-Hua CAO, Heng WEI, Xin WANG
12057	Research on the Efficiency of Wireless Power Transfer System Based on Multi-auxiliary Transmitting Coils	Rui Wang, Xiaoxuan Zhou, Jian Zheng, Dongsheng Yang
12065	Research on Transmission Waveform Structure and Rate Scaled of New Generation Data Link	Yifan Liu, Hu Jin, Qiming Yu, Wenqing Zheng
12083	A Novel Method to Analyze Accuracy of Target Measurement Based on Entropy	Chunxia Li
12089	Analysis on Voltage Stability in the Receiver Power Area with High Proportion after the Splitting of Power Grid	Han Yu ,Wang Ying ,Yu Hua ,Guan shaoping ,Wang dawei ,Cao jingjin ,Zhang ying

12090	UGS:a Novel User-centered Scheduling Scheme in Software Defined Network	Xiaoyong Lin, Yanru Wang, Yuanyuan Zhu, Tingting Qiu, Yang Yu, Xiangyu Song, Chao Chen
12100	The Precise analytical Calculation of Fourth-order Doppler Parameters for Geosynchronous SAR	Jiang Mian, Han Kuoye, Wang Huan, Liu Guanghong
12107	A Low Computational Complexity Frequency Estimation Method with High Precision of Sinusoid Based on DFT	Chongjian Xu,Lingyun Zhou,Chang Chen,Qingyuan Zhang
12111	Novel Puncturing Strategy for Rate-Compatible Low-Density Parity-Check Codes with Diagonal Structure	Wenwen Li, Jing Lei, Erbao Li, Wei Yang, Yuqin Xiong
12112	Analysis and Synchronization of A Novel Memristor Hyper-chaotic System	Ruihuang Qiu, Li Cai, Chaowen Feng, Li Xu, Xiaokuo Yang
12116	Analysis of Mutual Electromagnetic Influence Between Transmission Line and Buried Pipeline	Xing-ting Liu, Wei Wang, Hua Yu
12118	Electromagnetic Effect on Undergroud Pipeline of the Lightning Strike 330kV Transmission Lines	Xing-ting Liu, Wei Wang, Hua Yu
12124	Multi-Step Delayed Input and State Estimation: A System Reformation Approach	Chien-Shu Hsieh
12129	An Evaluation Method for Charging Facilities Siting	Mingzhu Zhang,Yan Chen,Yunfei Hou,Qijin Huang, HongOuyang
12135	A Water-Filling Theory Based Power Control Scheme in Two-Tier Cellular Network	Hongkui Shi, Tiecheng Song, Yang Yu, Tingting Qiu
12136	Sparse Linear Antenna Array Design in Compact MIMO Radar using Genetic Algorithm	Kuoye Han, Mian Jiang, Huan Wang, Yanmin Chen, Guanghong Liu
12144	Research of the Capability Open Platform in Mobile Cellular Network Based on the BS Data	Liya Shan, Qing Zhang, Yu Sheng, Xianda Li
12156	Track Planning Methods for Unmanned Aerial Vehicles Based on Double-rolling Windows	Yunhe Li, Jiaxin Xiong, Qinyu Zhang
12160	Performance analysis of adaptive sensing in cognitive radio networks with hybrid interweave-underlay	Fanzi Zeng, Xianxiang Liu
12161	New Design of Delay Line Based on Slow-Wave Structure	WangHui
12181	Fast pulse time delay estimation algorithm based on variable step size iteration	Ge Song,ZhiWei Kang

12185	Quantatitively predicting third harmonic generation for Gaussian pulses propagating in Kerr nonlinear media	Zheng Zhou,Zhixiang Tang
12195	Research on condition-based maintenance in relay protection	Ye Yuanbo,Xie Min ,Huang Taigui,Wang Wei,Chen Xiaodong
12197	An Improved indoor UHF RFID localization method based on deviation correction	Li Fang,Yao Yi
12204	Research on high performance secure mobile terminal based on offline business detection	XU Jun,Zhang xiaoyu
12214	Error analysis on digital metering devices of new generation of intelligent substation	Jiaming Zhang, Yingying Cheng, Ji Xiao, Shiliang Chang, Jie Du, Feng Zhou
12217	Research on Kalman Filter Prediction Method Based on Decision Tree Analysis	Yi Long, Xingzhe Hou, Hongliang Sun, Yongxiang Liu, Qian Wang, Zhi Li, Tingting Xu
12222	Research on SAW Sensors in TPMS	Li tongbin, Chen shien, Zheng ning, Kang xin
12225	The Optimization of HEVC Intra Prediction Mode Selection	Huan Yi, Huabiao Qin
12230	Phase Center Variation Modification on BDS High-precision Baseline Solution	Yao Yao,,Lei Zhang,Wen Chen,Chao Yu,Danan Dong
12231	Classification of Typical Amino Acids 3D Fluorescence Spectra by 2nd Order Correction	YANG Hui, SUN Yanfei, WANG Tiedong,QING Feng, ZHAO Xuesong
12241	Power Purchase Model Based on Interruptible Load Management and Balancing Market Forecast	Liangyuan Wang,Yujie Wang,Jing Chen,Buying Wen
12243	Diffraction effect in compressive sensing ghost imaging	ChenYi,FAN Xiang,LIANG Zhengyu,ZHAI Xiang
12252	An Algorithm for Resisting WiFi Interference in ZigBee	Yanhui Lv, Wenbo Zhang, Deyu Zhang, Xinghao Hao
12253	Research of Wireless Sensor Network Data Fusion Technology Based on RMSMTV	Qin Yili, Cao Yanhua, Zhang Wenchao, Sun Shengzhi
12261	Research on Resonant Magnetic Coupling Wireless Power Transmission with Intensifier	Zhijuan Zhang
12266	A Novel Transmit Waveform Design Method Based on MMA	Bin Wang, Fengming Xin
12287	Field inspection technology and application of AC charging pile based on industrial computer	Huicai Wang,Bin Zhu, Yong xiang Liu, Tingting Xu
12290	Object Detection of Armored Vehicles Based on Deep Learning in Battlefield Environment	Xie xiaozhu,Hecheng
12308	Modelling and Control of S-MAC Based Wireless Sensor Networks Control System with Network-induced Delay in Industrial	Yuanbo Shi;Jianhui Wang;Xiaoke Fang;Shusheng Gu;Liang Dong

12315	A Compound Search System With Infrared Detector and Millimeter Wave Radar	Yuan Wei, Xiang Fan, Zhengdong Cheng, Bin Zhu, Hongwei Zhang
12333	Characterization of Methanol in White Spirits Based on Two-dimensional Infrared Correlation Spectroscopy	Yang Renjie, Yang Yanrong, Dong Guimei, Zhu Wenbi, Liu Haixue*
12338	Analysis of the Payoff Interplay between Local Project Officers and Village Cadres during Rural Development Project Evaluation	Fujiang Sun
12355	Research on RFID Squelch Algorithm Using Wavelet Transform	Liang Shulai, Hou Zhou-guo
12362	Noise Modelling for Power Line Communication in Harsh Environment	Zhouwen Tan, Yun Cheng, Hongli Liu, Ziji Ma
12375	Research on High-precision Extraction of Phase Difference Change Rate in Single Observer Passive Location	Taoyun Zhou, Yun Cheng
12383	Security analysis of electronic payment protocols based on quantum cryptography	Yi Liu, Xingtong Liu, Jian Wang, Lei Zhang, Chaojing Tang
12420	Safety of the SCADA Systems in Power Systems by using Industry Protocols Data Communication	Rejepova Ejesh, Zhang Zhonglin
752773	Research on Data Acquisition Method for Intelligent Instruments Based on Serial Port Network	Weili Li, Qingjin Meng, Shaohong Jing
752825	Attitude Tracking of Rigid Spacecraft With Bounded Input	Wang Xibin, Guo Shuli, Han Lina
752845	Real-time onboard mapping and localization of an indoor MAV using laser range finder	Sun Peng, Wang Xinhua, Yang Yurong
752863	A Method of Dynamic Aggregation and Disaggregation Based on HLA	Zhou Xiaoyuan, Hao Jianguo, Zhang Heng, Deng Hanqiang
752902	A Novel Time-varying Sparse Channel Estimation Based on Block-type Pilot and SAMP	Rui Xu, Weina Yuan, Jianling Wang
752973	Electrocardiograph(ECG) recognition based on graphical fusion with geometric algebra	Yong Zhao, Xueting Yin, Yannan Xu

**18:00-19:30 Dinner**

## Contact Us

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